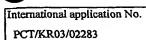


nternational application No. PCT/KR03/02283

A. CLAS	CLASSIFICATION OF SUBJECT MATTER						
IPC7 H04M 1/23							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols)							
IPC7 H04M, H04Q							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
KR; IPC as above							
Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	Category* Citation of document, with indication, where appropriate, of the relevant passages						
х	KR 2001-54288 A (Yong-Suk Kim) 02 July 2001		1-3, 10-11				
Y	See the whole document		4-9, 12-14				
	YYG G C10 GC2 A G	1007	1-14				
A	US 5,619,563 A (Lucent Technologies Inc.) 08 Apr. 1997 See the whole document		1-14				
	*	-					
			}				
Further documents are listed in the continuation of Box C. X See patent family annex.							
•	chooler englished at a transfer and						
	cument defining the general state of the art which is not considered date and not in conflict with the application but cited to understand the principle or theory underlying the invention						
"E" earlier ap	tier application or patent but published on or after the international "X" document of particular relevance; the claimed invention of considered novel or cannot be considered to involve an invention of the considered to invention of the conside						
"L" document	which may throw doubts on priority claim(s) or which is	step when the document is taken alone					
	stablish the publication date of citation or other ason (as specified)	"Y" document of particular relevance; the claims considered to involve an inventive step wi					
"O" document	referring to an oral disclosure, use, exhibition or other	combined with one or more other such documents, such combination					
"P" document							
than the priority date claimed							
Date of the actual completion of the international search		Date of mailing of the international search report					
20 DECEMBER 2003 (20.12.2003)		22 DECEMBER 2003 (22.12.20)					
Name and mailing address of the ISA/KR Authorized officer Verson Intellectual Property Office							
-	Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea	OH, Heung Soo					
A-3 (E)	. 82-42-472-7140	Telephone No. 82-42-481-5704	AL RIGIDIES				



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